M. A. R. 57 (Rule 116) No. D

Measurement Book

225801

Serial No. 2nd and final Bill

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Ashwath Narayan Contractor

Date of commencement of work..... D.J. Recorded 26-09-2018

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Work : Improvement to Roads and drains Abbigere old bridge near Govt school Abbigere in Ward No. 12, Shettyhalli Sub-Division.						
	Estimated cost Rs : 50.00 Lakh. DD Code : 012-18-000038						
	Work order No : EE/DD/20/11/18-19-dt. 28-06-2018.						
	Date of commencement : 29-06-2018						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of completion - 24.09.2018.						
①	Formwork Excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 1.50m, Excavated surface levelled and made neatly dressed, lay disposal earth to be Pravelled neatly after breaking clods complete as per specification						
		Qty as per BOQ				17.94/13.44	
		Prov.	17938	ft	①	= 691.00 m³	12,092.5.00

e 175.00/43

M. A. R. 57 (Rule 116) No. D
Measurement Book

225802

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
①	Providing and laying in position plain cement concrete of mix 1:4:8 with ope cement bags laid with down and down size graded granite metal coarse aggregate 0.85m³ and fine aggregate 0.57m³ machine mixed, evenly laid in layers not exceeding 15cms thick well compacting in final including curing all materials, labour, hire of Machinery, curing complete as per specifications complete as per specification of drawings Engineer in charge of work-						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						(2) mBo	
						92.704	
						5150	477.405.cm
(3)	Providing and laying in position reinforced cement concrete of design mix M.20 with ope cement @ 320kg/m³ with 20mm and down size graded granite metal, coarse aggregate 0.69 m³ and fine aggregate @ 0.46 m³ with proper plasticizer @ 3 ltr confirming to IS-9103-1999 re-affirmed 2008, machine mixed concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundations and for all types of						

M. A. R. 57 (Rule 116) No. D
Measurement Book
225803

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	retaining walls, abutments, return walls, footings, piles, columns, piers, abutments, pillars, posts, struts etc complete as per specification.						
	(a) for drain Bottom						
	(b) for drain Both wall						
	1) CRoss Road Behind Govt school Abbay (CR-1)	2×1	28.80	0.15	0.60	5.18	
	(2) —"— CR-2	2×1	35.40	0.15	0.60	6.41	
		2×1	30.40	0.15	0.60	5.40	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2×1	17.50	0.15	0.60	3.15 m³	
		2×2	30.00	0.15	0.60	10.80	
		2×1	2.50	0.15	0.40	0.45	
	Old Govt school Aayanad Roads (4)	2×8	30.00	0.15	0.55	46.80	
		2×1	9.00	0.15	0.60	1.62	
	(4)	2×6	30.00	0.15	0.60	32.40	
		2×1	15.00	0.15	0.60	2.70	
	Next Cross-Road (4)	2×5	30.00	0.15	0.53	29.25	
		1×1	17.00	0.75	0.10	1.28	
						260.77 m³	
					Add to	260.00 m³	
					@	5360/m³	1,53,600.00

M. A. R. 57 (Rule 116) No. D

Measurement Book

225804

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Providing and removing centering, shuttering, strutting, propping etc and removal of forms where for vertical surfaces as walls of any thickness, including attached pilasters, buttress, plinth, sills, at string courses, coping all materials, labour complete as per specifications.						
						Qty inside, MB no 1794/13-14 : 1739.70 m² @ 308.50/m²	536697.45
						P.No. 179389 # (4)	
5)	Providing mild steel reinforcement for RCC works including						

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	straightening, cutting, bending, hooking, placing in position lapping or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design, cost of materials, labour, hire of machinery complete as per specifications						
		Extra rate, MB no. 1794/13-14					
	22 (5) P. 179388	= 15.80 m.T @ 6417/T				101396.50	
6)	Providing and laying reinforced cement precast slabs of mix c.c 1:1½:3 using 20mm aggregate metal using M45D 10mm down steel @ 100kg/cum of Bar						

M. A. R. 57 (Rule 116) No. D

Measurement Book

225805

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ways complete as per specifications :						
	(a) Cent school Block CR-1 Lh	1	28.80	0.75	-	21.60×2	
	Rh	1	35.60	0.75	-	26.70	
	(b) ——— CR-2 Lh	1	30.00	0.75	-	22.50	
		1	17.50	0.75	-	13.12	
	Rh	2×1	30.00	0.75	-	45.00	
		1	2.50	0.75	-	1.87	
	(c) - old Dispensary school Adjacent Room Lh	8×1	30.00	0.75	-	180.00	
		1×1	9.00	0.75	-	6.75	
	Rh	5×1	30.00	0.75	-	135.00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ CRoss-Road. 4)	1	15.00	0.75	-	11.25 m²	
		4	30.00	0.75	-	90.00	
		1	12.00	0.75	-	9.00	
						562.80 m²	
					LHS	562.50 m²	
					@	1680.00 m²	945000.00
	Certified that the contractor has done satisfactorily. (2) There is no dept. materials issued to contractor. (3) The Contractor has removed the debris from site.					Total-Rs	47,17,592-45

26/09/18

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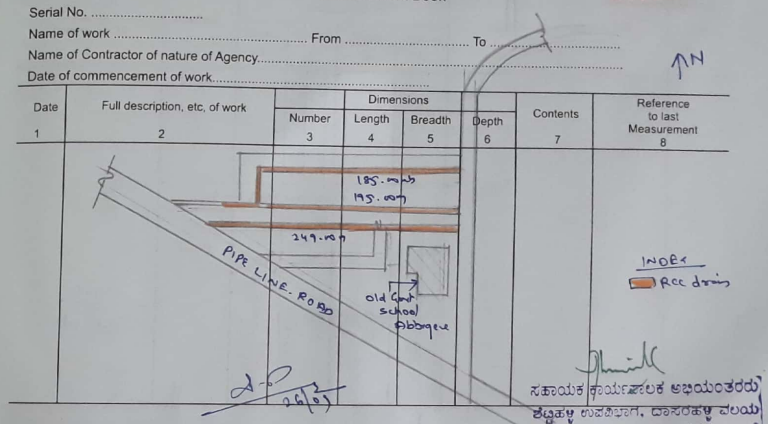
26/9/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಷ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) No. D 225806
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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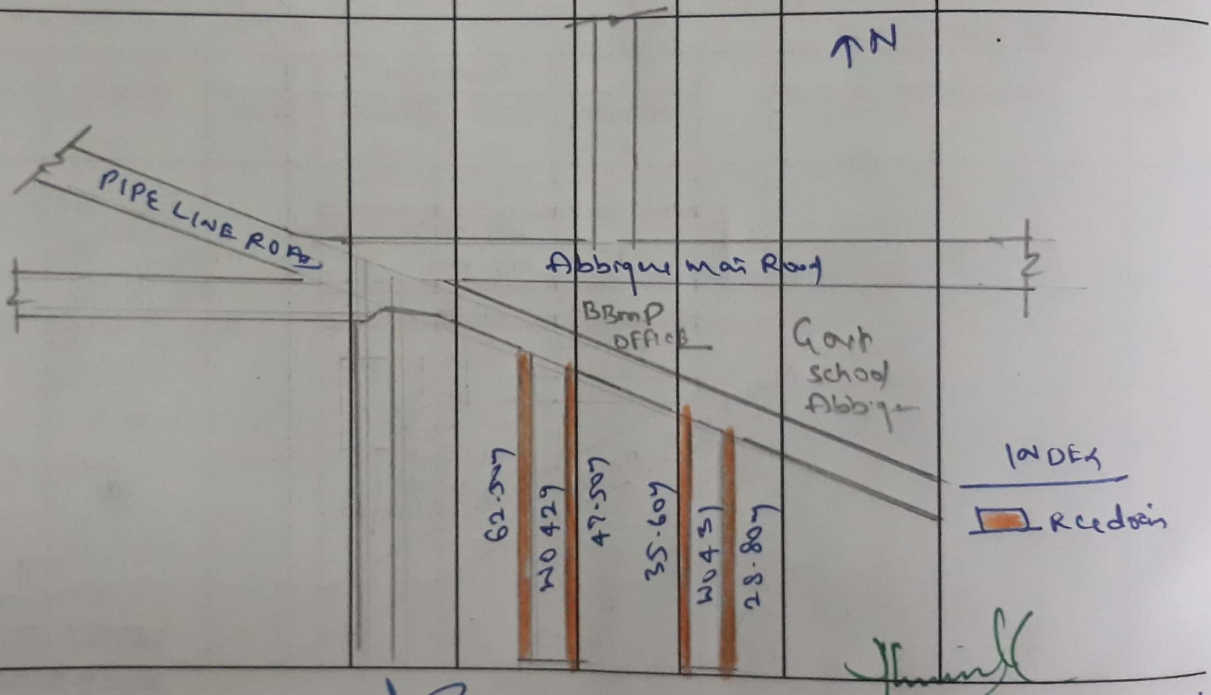
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



26/09

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